

FILE 'REGISTRY' ENTERED AT 10:48:28 ON 04 DEC 2007  
L8                   STRUCTURE uploaded  
L9                   1 S L8  
L10                  29 S L8 SSS FULL

FILE 'STNGUIDE' ENTERED AT 10:49:44 ON 04 DEC 2007

FILE 'REGISTRY' ENTERED AT 10:51:50 ON 04 DEC 2007  
L11                  STRUCTURE uploaded  
L12                  0 S L11  
L13                  1 S L11 SSS FULL

FILE 'STNGUIDE' ENTERED AT 10:53:18 ON 04 DEC 2007

FILE 'REGISTRY' ENTERED AT 10:55:13 ON 04 DEC 2007  
L14                  STRUCTURE uploaded  
L15                  0 S L14  
L16                  9 S L14 SSS FULL

FILE 'STNGUIDE' ENTERED AT 10:56:14 ON 04 DEC 2007

FILE 'REGISTRY' ENTERED AT 10:57:39 ON 04 DEC 2007  
L17                  STRUCTURE uploaded  
L18                  0 S L17  
L19                  15 S L17 SSS FULL  
L20                  54 S L10 OR L13 OR L16 OR L19

FILE 'CAPPLUS' ENTERED AT 11:00:38 ON 04 DEC 2007  
L21                  4 S L20

FILE 'REGISTRY' ENTERED AT 11:00:49 ON 04 DEC 2007

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L8 STRUCTURE UPLOADED

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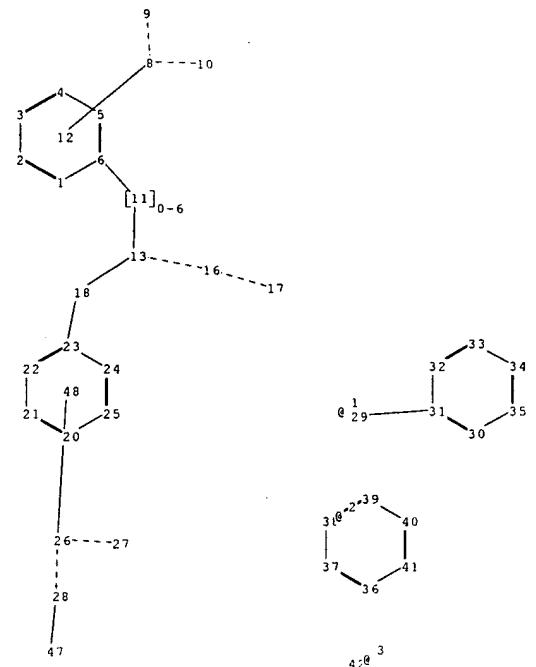
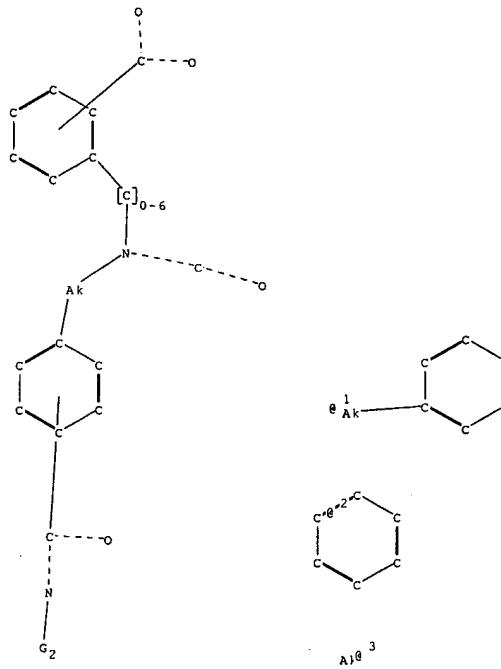
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L14 STRUCTURE UPLOADED

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L17 STRUCTURE UPLOADED



chain nodes :

8 9 10 11 13 16 17 18 26 27 28 29 42 47

ring nodes :

1 2 3 4 5 6 20 21 22 23 24 25 30 31 32 33 34 35 36 37 38 39 40 41

chain bonds :

6-11 8-9 8-10 11-13 13-16 13-18 16-17 18-23 26-28 26-27 28-47 29-31

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 30-31 30-35  
31-32 32-33 33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41

exact/norm bonds :

6-11 8-9 8-10 11-13 13-16 13-18 16-17 18-23 26-28 26-27 28-47 29-31

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 30-31 30-35  
31-32 32-33 33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41

isolated ring systems :

containing 1 : 20 : 30 : 36 :

G2:[\*1], [\*2], [\*3]

Connectivity :

18:2 E exact RC ring/chain 42:1 E exact RC ring/chain

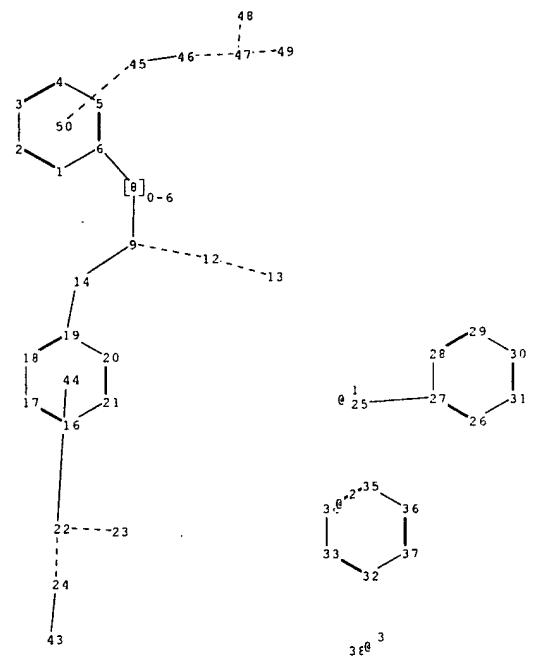
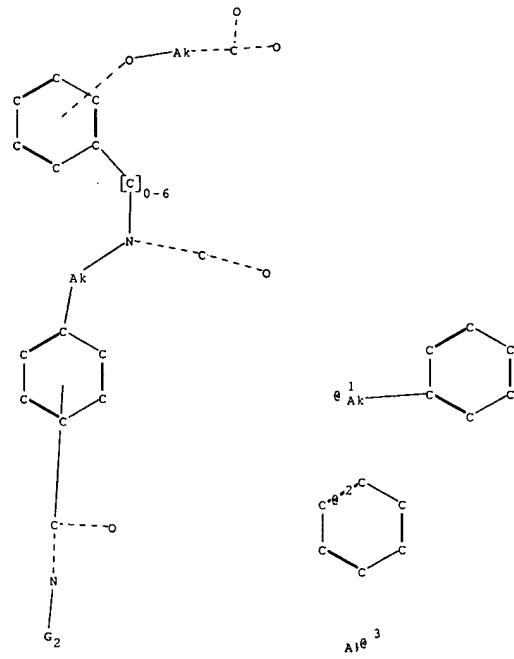
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS 11:CLASS  
12:Atom 13:CLASS 16:CLASS 17:CLASS 18:CLASS 20:Atom 21:Atom 22:Atom 23:Atom  
24:Atom 25:Atom 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:Atom 32:Atom  
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom  
42:CLASS

47:CLASS 48:Atom

Generic attributes :

18:  
Saturation : Saturated  
42:  
Saturation : Saturated



chain nodes :

8 9 12 13 14 22 23 24 25 38 43 45 46 47 48 49

ring nodes :

1 2 3 4 5 6 16 17 18 19 20 21 26 27 28 29 30 31 32 33 34 35 36 37

chain bonds :

6-8 8-9 9-12 9-14 12-13 14-19 22-24 22-23 24-43 25-27 45-46 46-47 47-48  
47-49

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 16-17 16-21 17-18 18-19 19-20 20-21 26-27 26-31  
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

exact/norm bonds :

6-8 8-9 9-12 9-14 12-13 14-19 22-24 22-23 24-43 25-27 45-46 46-47 47-48  
47-49

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 16-17 16-21 17-18 18-19 19-20 20-21 26-27 26-31  
27-28 28-29 29-30 30-31 32-33 32-37 33-34 34-35 35-36 36-37

isolated ring systems :

containing 1 : 16 : 26 : 32 :

G2: [\*1], [\*2], [\*3]

Connectivity :

14:2 E exact RC ring/chain 38:1 E exact RC ring/chain 46:2 E exact RC ring/chain

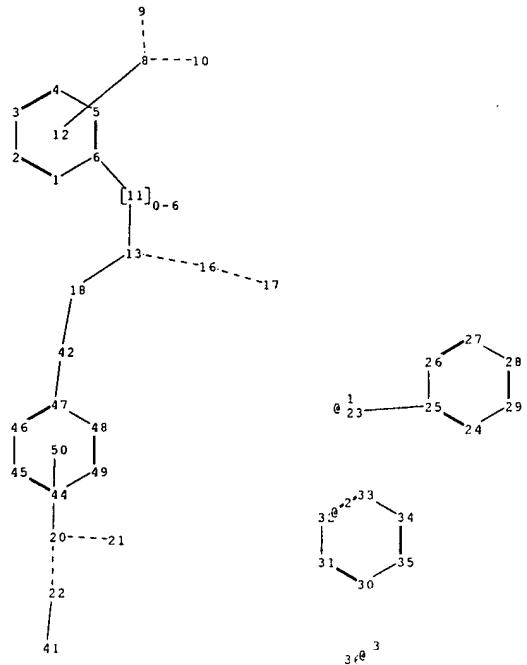
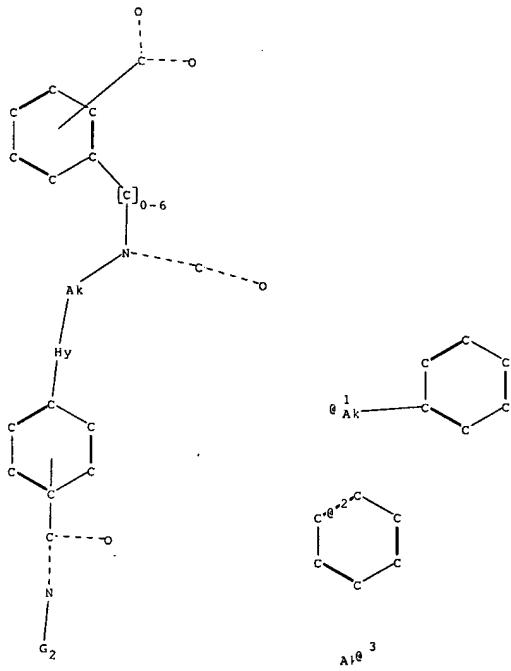
Match level :

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14:CLASS 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:CLASS 23:CLASS  
24:CLASS

25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom  
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:CLASS 43:CLASS 44:Atom 45:CLASS  
46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:Atom

Generic attributes :

14:  
Saturation : Saturated  
38:  
Saturation : Saturated  
46:  
Saturation : Saturated



chain nodes :

8 9 10 11 13 16 17 18 20 21 22 23 36 41 42

ring nodes :

1 2 3 4 5 6 24 25 26 27 28 29 30 31 32 33 34 35 44 45 46 47 48 49

chain bonds

6-11 8-9 8-10 11-13 13-16 13-18 16-17 18-42 20-22 20-21 22-41 23-25 42-47

g bonds : 

1-2 1-6 2-3

31-32 32-33 33-34 34-35 44-45 44-49 45-46 46-47 47-48 48-49 .

act/norm bonds :

6-11 8-9 8-1

ormalized bonds :

1-2    1-6    2-3    3-4    4-5    5-6    24-25    24-29    25-26    26-27    27-28    28-29

31-32 32-33 33-34

lated ring systems : -

Environ Biol Fish (2007) 79:111–118

nectivity : 192.0.2.100:8080 / 192.0.2.100:36315 / 192.0.2.100:8080

18:2 E ex

ch level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 10:CLASS 11:CLASS  
12:Atom 13:CLASS 16:CLASS 17:CLASS 18:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom  
34:Atom 35:Atom 36:CLASS 41:CLASS 42:Atom 44:Atom 45:Atom 46:Atom 47:Atom  
48:CLASS

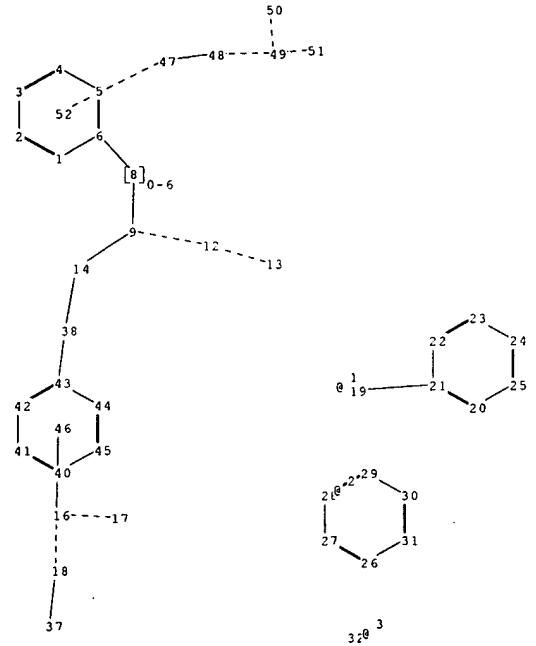
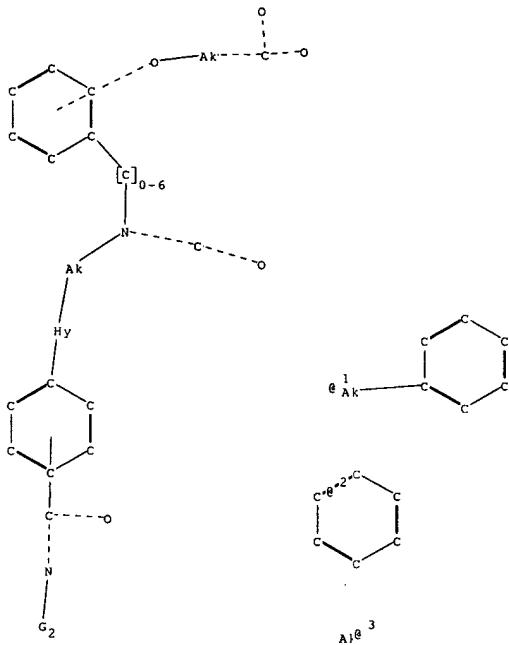
49:Atom 50:Atom

Generic attributes :

18:  
Saturation : Saturated  
36:  
Saturation : Saturated  
42:  
Saturation : Unsaturated  
Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic

Element Count :

Node 42: Limited  
C,C3  
N,N1  
S,S1



chain nodes :

8 9 12 13 14 16 17 18 19 32 37 38 47 48 49 50 51

ring nodes :

1 2 3 4 5 6 20 21 22 23 24 25 26 27 28 29 30 31 40 41 42 43 44 45

chain bonds :

6-8 8-9 9-12 9-14 12-13 14-38 16-18 16-17 18-37 19-21 38-43 47-48 48-49  
49-50 49-51

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31  
 27-28 28-29 29-30 30-31 40-41 40-45 41-42 42-43 43-44 44-45

exact/norm bonds :

6-8 8-9 9-12 9-14 12-13 14-38 16-18 16-17 18-37 19-21 38-43 47-48 48-49  
49-50 49-51

normalized bonds :

1-2 1-6 2-3 3-4 .4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 26-27 26-31  
 27-28 28-29 29-30 30-31 40-41 40-45 41-42 42-43 43-44 44-45

### isolated ring systems :

containing 1 : 20 : 26 : 40 :

G2: [\*1], [\*2], [\*3]

## Connectivity :

14:2 E exact RC ring/chain 32:1 E exact RC ring/chain 48:2 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 12:CLASS 13:CLASS  
14:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:Atom 21:Atom 22:Atom 23:Atom  
24:Atom

25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS  
37:CLASS 38:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:CLASS 45:Atom 46:Atom  
47:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:Atom

Generic attributes :

14:  
Saturation : Saturated  
32:  
Saturation : Saturated  
38:  
Saturation : Unsaturated  
Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic  
48:  
Saturation : Saturated

Element Count :

Node 38: Limited  
C,C3  
N,N1  
S,S1

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      1 US200!-565557/PRN
L23      2 US200!-565557/APPS
          (US200!-565557/AP, PRN)

=> s l21 and l23
L24      1 L21 AND L23

=> d l24 bib abs

L24  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
AN  2005:120736  CAPLUS
DN  142:219051
TI  Preparation of aryl dicarboxamides as protein-tyrosine phosphatase
inhibitors
IN  Thomas, Russel J.; Swinnen, Dominique; Pons, Jean-Francois; Bombrun, Agnes
PA  Applied Research Systems Ars Holding N.V., Neth.
SO  PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DT  Patent
LA  English
FAN.CNT 1
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PI  WO 2005011685      A1    20050210      WO 2004-EP51558      20040720
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        LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
        NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
        TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
    RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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        EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
        SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
        SN, TD, TG
AU  2004260831      A1    20050210      AU 2004-260831      20040720
CA  2529662          A1    20050210      CA 2004-2529662      20040720
EP  1656139          A1    20060517      EP 2004-742005      20040720
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    JP 2006528157      T     20061214      JP 2006-520836      20040720
    US 2006189583      A1    20060824      US 2006-565557      20060123 <-
    NO 2006000815      A     20060220      NO 2006-815       20060220
PRAI EP 2003-102236      A     20030721
    US 2003-517824P      P     20031106
    WO 2004-EP51558      W     20040720
OS  CASREACT 142:219051; MARPAT 142:219051
GI

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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [A = CONHR6 wherein R6 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; X = aryl, heteroaryl, arylheteroaryl, arylaryl, etc.; n = 0 or 1; R1 and R2 independently = H or alkyl; R3 = alkyl, alkenyl, alkynyl, alkoxy, etc.; R4 and R5 independently = H, OH, alkyl, carboxy, alkoxy, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as protein-tyrosine phosphatase inhibitors. Thus, e.g., II was prepared via reductive amination of 6-amino-2,2-dimethyl-4H-1,3-benzodioxin-

4-one (preparation given) with 4-formylbenzoate and subsequent amidation with 3-cyclopentylpropanoyl chloride, debenylation, amidation with 4-phenoxybenzylamine and deprotection. I were evaluated for inhibition of PTP, and in particular PTP1B; e.g., II possessed an IC<sub>50</sub> value of 1.0  $\mu$ M in assays against PTP1B. As PTP inhibitors, I should be useful for the treatment and/or prevention of obesity and/or metabolic disorders mediated by insulin resistance or hyperglycemia, comprising diabetes type I and/or II, inadequate glucose tolerance, insulin resistance, hyperlipidemia, hypertriglyceridemia, hypercholesterolemia, polycystic ovary syndrome (PCOS).

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

>> 121 not 123  
L25 '3 L21 NOT L23  
>> c 125 tot bib abs hitstr  
C IS NOT A RECOGNIZED COMMAND  
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FOR A LIST OF COMMANDS AVAILABLE TO YOU IN THE CURRENT FILE, ENTER  
"HELP COMMANDS" AT AN ARROW PROMPT (>).

>> 125 bib abs hitstr  
15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2007:87128 CAPLUS Full-text  
DN 146:177185  
TI Glepp-1 inhibitors in the treatment of autoimmune and/or inflammatory disorders  
IN Bombrun, Agnes; Hooft van Huijsduijnen, Rob; Jorand-Lebrun, Catherine; Vitte, Pierre-Alain; Gerber, Patrick  
PA Applied Research Systems Ars Holding N. V., Neth. Antilles  
SO PCT Int. Appl. 77pp  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

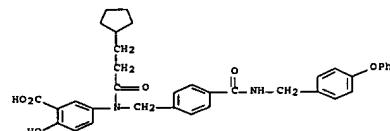
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 200709959	A1	20070125	WO 2006-EP64288	20060714
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PRAI EP 2005-106547 A 20050715  
US 2005-706365P P 20050808

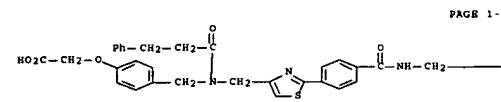
OS MARPAT 146:177185  
AB The present invention is related to the use of a Glepp-1 inhibitor for the manufacture of a medicament for the treatment of an autoimmune and/or an inflammatory disorder.

IT 842137-75-8 842137-32-0 842137-43-3  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(Glepp-1 inhibitors in treatment of autoimmune and/or inflammatory disorders)

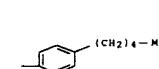
RN 842136-75-8 CAPLUS  
CN Benzoic acid, 5-[(3-cyclopentyl-1-oxopropyl){[4-[(4-phenoxypyphenyl)methyl]amino]carbonyl}phenyl]methyl]amino)-2-hydroxy- (CA INDEX NAME)



RN 842137-32-0 CAPLUS  
CN Acetic acid, 2-[4-[[[(1-oxo-3-phenylpropyl){[2-[4-[[[(4-pentylphenyl)methyl]amino]carbonyl]phenyl]-4-thiazolyl]methyl]amino]methyl]phenoxy]- (CA INDEX NAME)

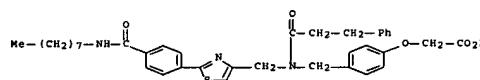


PAGE 1-A



PAGE 1-B

RN 842137-43-3 CAPLUS  
CN Acetic acid, 2-[4-[[[(2-[4-[(octylamino)carbonyl]phenyl)-4-thiazolyl]methyl]({[1-oxo-3-phenylpropyl]amino}methyl)phenoxy]- (CA INDEX NAME)



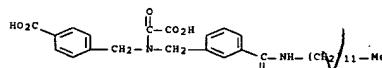
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB The present invention is related to the use of substituted methylene amide derivs. for the treatment and/or prevention of cardiovascular disorders such as coronary obstruction and heart failure and/or prevention of endothelial dysfunction in heart failure. A methylene amide derivative I was able to acutely restore endothelial function in mice with chronic heart failure.

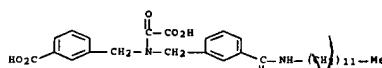
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RL: TH (Therapeutic use); BIOL (Biological study); USES (Uses)  
(methylene amide derivs. for cardiovascular disorders)

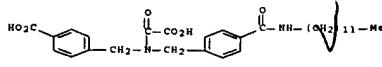
RN 578022-53-4 CAPLUS  
CN Benzoic acid, 4-[(carboxycarbonyl){3-[(dodecylamino)carbonyl]phenyl}methyl]amino]methyl)- (CA INDEX NAME)



RN 578022-61-4 CAPLUS  
CN Benzoic acid, 3-[(carboxycarbonyl){[3-[(dodecylamino)carbonyl]phenyl]methyl}amino]methyl)- (CA INDEX NAME)



RN 578022-67-0 CAPLUS  
CN Benzoic acid, 4-[(carboxycarbonyl){[4-[(dodecylamino)carbonyl]phenyl]methyl}amino]methyl)- (CA INDEX NAME)



RN 578022-94-3 CAPLUS

>> 125 2-3 bib abs hitstr

15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:984019 CAPLUS Full-text  
DN 143:279395  
TI Methylene amide derivatives for cardiovascular disorders  
IN Hooft van Huijsduijnen, Rob; Richard, Vincent  
PA Applied Research Systems Ars Holding N. V., Neth. Antilles  
SO PCT Int. Appl. 75 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 200508347	A1	20050809	WO 2005-EP50823	20050225
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AU 2005216649 A1 20050909 AU 2005-216649 20050225  
CA 554919 A1 20050909 CA 2005-2554919 20050225  
EP 1732534 A1 200611220 EP 2005-716814 20050225

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

CN 1933827 A 20070321 CN 2005-80008722 20050225  
BR 2005008080 A 20070717 BR 2005-8080 20050225

JP 2007524701 T 20070830 JP 2007-500226 20050225

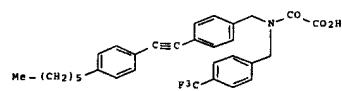
MX 2006PA09777 A 20061030 MX 2006-PA9777 20060828

NO 2006004295 A 20060922 NO 2006-4295 20060922

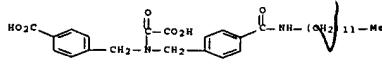
US 2007185118 A1 20070809 US 2007-590808 20070112

PRAI EP 2004-100778 A 20040227  
WO 2005-EP50823 W 20050225

OS MARPAT 143:279395  
GI



RN 578022-61-4 CAPLUS  
CN Benzoic acid, 3-[(carboxycarbonyl){[3-[(dodecylamino)carbonyl]phenyl]methyl}amino]methyl)- (CA INDEX NAME)





=> d his

(FILE 'HOME' ENTERED AT 21:34:50 ON 03 DEC 2007)

FILE 'REGISTRY' ENTERED AT 21:35:03 ON 03 DEC 2007

L1                   STRUCTURE UPLOADED  
L2        991044 S NCSC2/ES  
L3        0 S L1 SAM SUB=L2  
L4        0 S L1  
L5        4 S L1 SSS FULL SUB=L2

FILE 'CAPLUS' ENTERED AT 21:36:37 ON 03 DEC 2007

L6        1 S L5

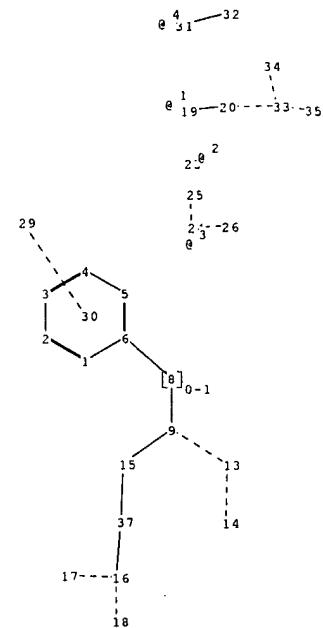
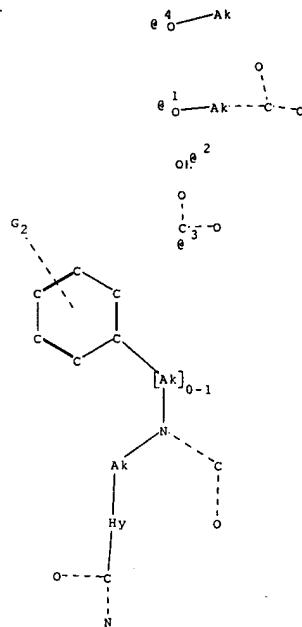
=> d l1

L1 HAS NO ANSWERS

L1                   STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.



chain nodes :

8 9 13 14 15 16 17 18 19 20 23 24 25 26 29 31 32 33 34 35 37

ring nodes :

1 2 3 4 5 6

chain bonds :

6-8 8-9 9-13 9-15 13-14 15-37 16-18 16-17 16-37 19-20 20-33 24-25 24-26  
31-32 33-34 33-35

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

6-8 8-9 9-13 9-15 13-14 15-37 16-18 16-17 16-37 19-20 20-33 24-25 24-26  
31-32 33-34 33-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G2:[\*1], [\*2], [\*3], [\*4]

Connectivity :

8:2 E exact RC ring/chain 15:2 E exact RC ring/chain 20:2 E exact RC ring/chain  
32:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 9:CLASS 13:CLASS 14:CLASS  
15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 24:CLASS 25:CLASS  
26:CLASS 29:CLASS 30:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 37:Atom

Generic attributes :

8:  
Saturation : Saturated  
37:  
Saturation : Unsaturated  
Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic

Element Count :

Node 37: Limited

C,C3

S,S1

N,N1

=> d 16 bib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:120736 CAPLUS  
DN 142:219051  
TI Preparation of aryl dicarboxamides as protein-tyrosine phosphatase inhibitors  
IN Thomas, Russel J.; Swinnen, Dominique; Pons, Jean-Francois; Bombrun, Agnes  
PA Applied Research Systems Ars Holding N.V., Neth.  
SO PCT Int. Appl., 103 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005011685	A1	20050210	WO 2004-EP51558	20040720
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004260831	A1	20050210	AU 2004-260831	20040720
	CA 2529662	A1	20050210	CA 2004-2529662	20040720
	EP 1656139	A1	20060517	EP 2004-742005	20040720
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	JP 2006528157	T	20061214	JP 2006-520836	20040720
	US 2006189583	A1	20060824	US 2006-565557	20060123
	NO 2006000815	A	20060220	NO 2006-815	20060220
PRAI	EP 2003-102236	A	20030721		
	US 2003-517824P	P	20031106		
	WO 2004-EP51558	W	20040720		
OS	CASREACT 142:219051; MARPAT 142:219051				
GI					

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [A = CONHR6 wherein R6 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; X = aryl, heteroaryl, arylheteroaryl, arylaryl, etc.; n = 0 or 1; R1 and R2 independently = H or alkyl; R3 = alkyl, alkenyl, alkynyl, alkoxy, etc.; R4 and R5 independently = H, OH, alkyl, carboxy, alkoxy, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as protein-tyrosine phosphatase inhibitors. Thus, e.g., II was prepared via reductive amination of 6-amino-2,2-dimethyl-4H-1,3-benzodioxin-4-one (preparation given) with 4-formylbenzoate and subsequent amidation with 3-cyclopentylpropanoyl chloride, debenzylation, amidation with 4-phenoxybenzylamine and deprotection. I were evaluated for inhibition of PTP, and in particular PTP1B; e.g., II possessed an IC50 value of 1.0  $\mu$ M in assays against PTP1B. As PTP inhibitors, I should be useful for the treatment and/or prevention of obesity and/or metabolic disorders mediated by insulin resistance or hyperglycemia, comprising diabetes type I and/or II, inadequate glucose tolerance, insulin resistance, hyperlipidemia, hypertriglyceridemia, hypercholesterolemia, polycystic

ovary syndrome (PCOS).

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT